

January to May 2019

Department of Mechanical and Automation Engineering

The NEWSLETTER

Right from the time the wheel was invented, all the things that man has created has a rationale behind it. Almost all the manmade objects have an engineering design component in it.. The complex artifacts that humans make today invariably involve engineering design. The Worli Sea link in Mumbai, the fastest car in the world, the supersonic jets, smart phones, the Burj Khalifa and the latest innovation in diagnostic medicine - all are examples of engineering design at work.

ENGINEERING DESIGN IS THE USE OF SCIENTIFIC PRINCIPLES, TECHNICAL INFORMATION AND IMAGINATION IN THE DEFINITION OF A MECHANICAL STRUCTURE, MACHINE OR SYSTEM TO PERFORM PRE-SPECIFIED FUNCTIONS WITH MAXIMUM ECONOMY AND EFFICIENCY. THE FUNDAMENTAL ELEMENTS OF THE DESIGN PROCESS INCLUDE THE ESTABLISHMENT OF OBJECTIVES AND CRITERIA, SYNTHESIS, ANALYSIS, CONSTRUCTION, TESTING AND EVALUATION.



Power Story

ENGINEERING *designs*

Thus, the prime purpose of engineering design is to apply scientific knowledge to the solution of technical problems. While engineers provide a technical solution, it is very important to understand that engineering design implies a solution that is aesthetic as well.



DR. AKHILESH DAS GUPTA
INSTITUTE OF TECHNOLOGY & MANAGEMENT
NEW DELHI

Mecha mpact

*"If you will light a lamp for
someone, it will also
brighten your path"*



*Come Join Hands With us
& Be a Part of
AKHIL JYOT 2019*

12th April 2019

Akhil Jyot 2019

*"The purpose of human life is to serve
and to show compassion and the will
to help others".*

In the Remembrance of our beloved
chairman Sir Late Dr. Akhilesh Das
Gupta ji and following their footsteps
of humanity, Akhil Jyot was organized
on 12th April 2019.



Under this Initiative, the faculty and staff members of Mechanical Engineering domain participated in various social cause like they visited old age homes, senior citizen's club and enlighten them with the same ideas as shared by our chairman Sir and conducted digital awareness camp out there.



The Annual Sports Meet of ADGITM was organized from 07 - 09 March 2019. The first day of our Annual Sports Fest marked its beginning with a Band. The event was inaugurated by Prof. (Dr.) Sanjay kumar (Director, ADGITM formerly Northern India Engineering College, New Delhi) and Sh. S. N. Garg (The CEO). Congratulations to all the Mechanical Engineering students who participated in various games and won medals.

Innoviz is a Techno-Cultural Fest of ADGITM. This year the event was Inaugurated and graced by the Honorable Chairperson of BBD Group Madam Ms. Alka Das Gupta and President of BBD Group Mr. Viraj Sagar Das.



Sports Fest 2019

INNOVIZ'19 was one of the best events ever conducted. The students of Mechanical Engineering domain participated in the events and shows their immense talent. Heartiest Congratulations to all the participants for such an amazing performances.

Innoviz 2019



**STUDENT'S
PARTICIPATION
IN
COLLEGE
ACTIVITIES**



INNOVIZ

Faculty Development Program

The FDP on Green Manufacturing aims to introduce and explain the design concepts, methods, tools and some technologies, and operations of sustainable lean and green manufacturing systems and processes. It also covers the assessment, audit, design and maintenance of sustainable green manufacturing products, processes and service systems



The visit to AKGEC SKILLS Foundation was entirely based on providing information about Industrial Developments on account of Automization and Robotics giving new thrust to standardization and quality control and To evolve a national framework for Industries according recognition to standards and integrating them with growth and development of production and exports.



As robotics and computers become increasingly prevalent in students' lives, understanding programming and programming concepts is becoming very important for students' success. The educational visit to NIEDS New Delhi, one of the prominent group expertise in Machine coding, was entirely based on providing information about Industrial Developments on account of CNC machines and coding related to it. The session gave an carrier option to the students and students were enthusiastic to carry on their further studies in this sphere after knowing the importance of this domain in coming industrialization phase.

Educational Visit



In order to make students capable of designing the HVAC systems other than just getting the Theoretical Knowledge, a guest lecture on this topic was scheduled. The session gave detailed information on one of the Refrigeration and Air Conditioning domain i.e. Psychrometry and carrier opportunities and working scenarios in various Research & Development oriented domains in this field.



Guest Lectures

STUDENT'S PARTICIPATION IN DEPARTMENTAL ACTIVITIES



Congratulations



Department of Mechanical & Automation Engineering won second position in Inter College major project Competition 2019. The team of students Mr. Akshay Tomar, Mr. Tushar Chaudhary & Mr. Devesh Kumar under the guidance of Mr. Naveen Sahu, Assistant Professor, and the vision of Dr. Sanjay Kumar, Director, ADGIMT achieve this milestone.



The Team of Third Year & Final Year students of Mechanical & Automation Engineering Department shows a remarkable performance at International Go kart Championship 2019 held at Lovely Professional University, Punjab.

Under the guidance of Mr. Neeraj Kumar, Head MAE Department, Final Year students shows their caliber at the event BAJA SAE INDIA held at Indore, Madhya Pradesh, India from January 24-28, 2019 securing Overall rank - 111

BYJU'S

*Dvij Dua
Manik Pal Singh
Vivek Bhatt
Rhythm Misra
Nandan Luthra*



*Agman Das
Shubham Sharma
Meenu Parwez
Pushpankar Kiran
Sanchit Mangai
Naman Aggarwal
Vibhu Jain*



GEO
INFORMATICS

PACIFIC
CYBER



*Ritik Sadh
Abhishhek Kumar
Yash Kumar
Rahul Verma*

LAUNCH

Ankur Tyagi

INDIA



YASH
GROUP

STUDENT'S
ACHIEVEMENTS

*Akshay Mittal Sahil Choudhary
Anankrit Singh Tushit Kumar
Loveneet Sharma Karvik Kapoor
Shubham Singh*

Achievements